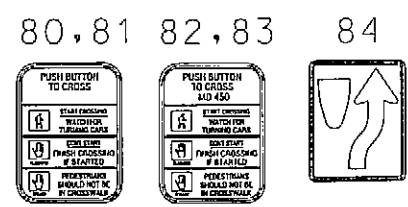
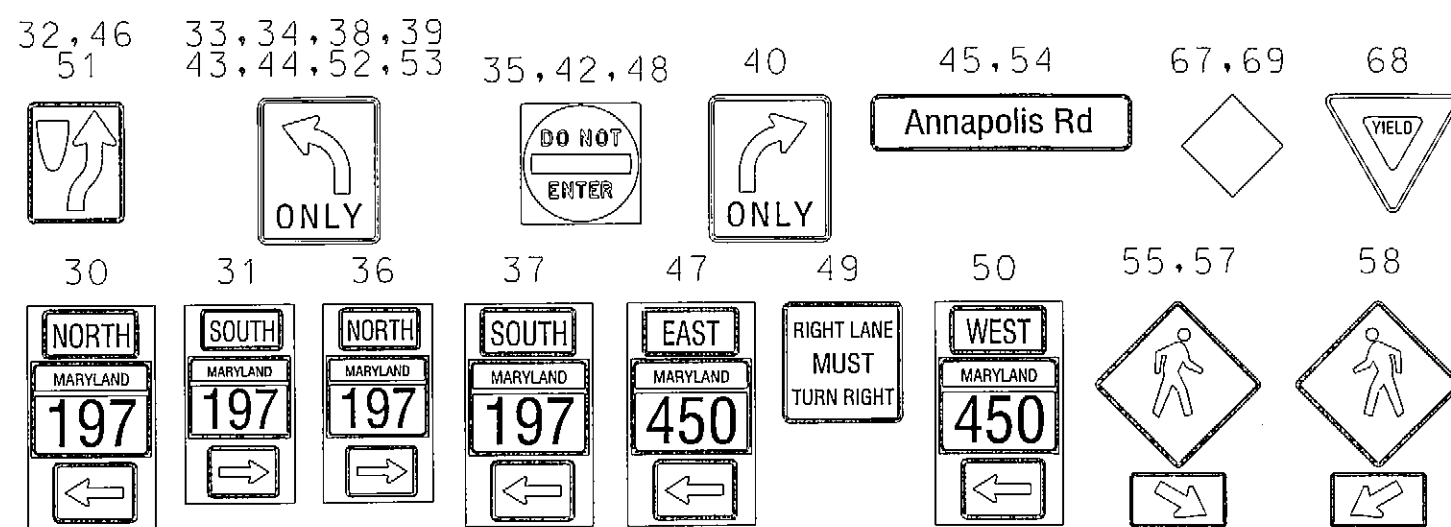


EXISTING SIGNS TO BE REMOVED



EXISTING SIGNS

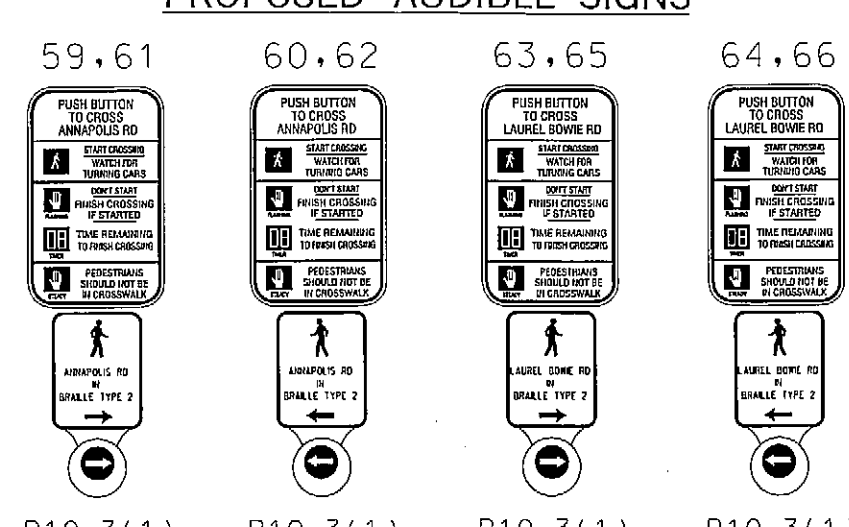


EXISTING SIGNALS TO REMAIN

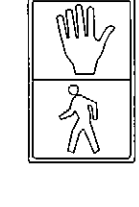
1, 2, 3, 6, 7, 8, 11, 12, 13, 16, 17, 18, 4, 5, 9, 10, 14, 15, 19, 20



PROPOSED AUDIBLE SIGNS



EXISTING SIGNALS TO BE REMOVED

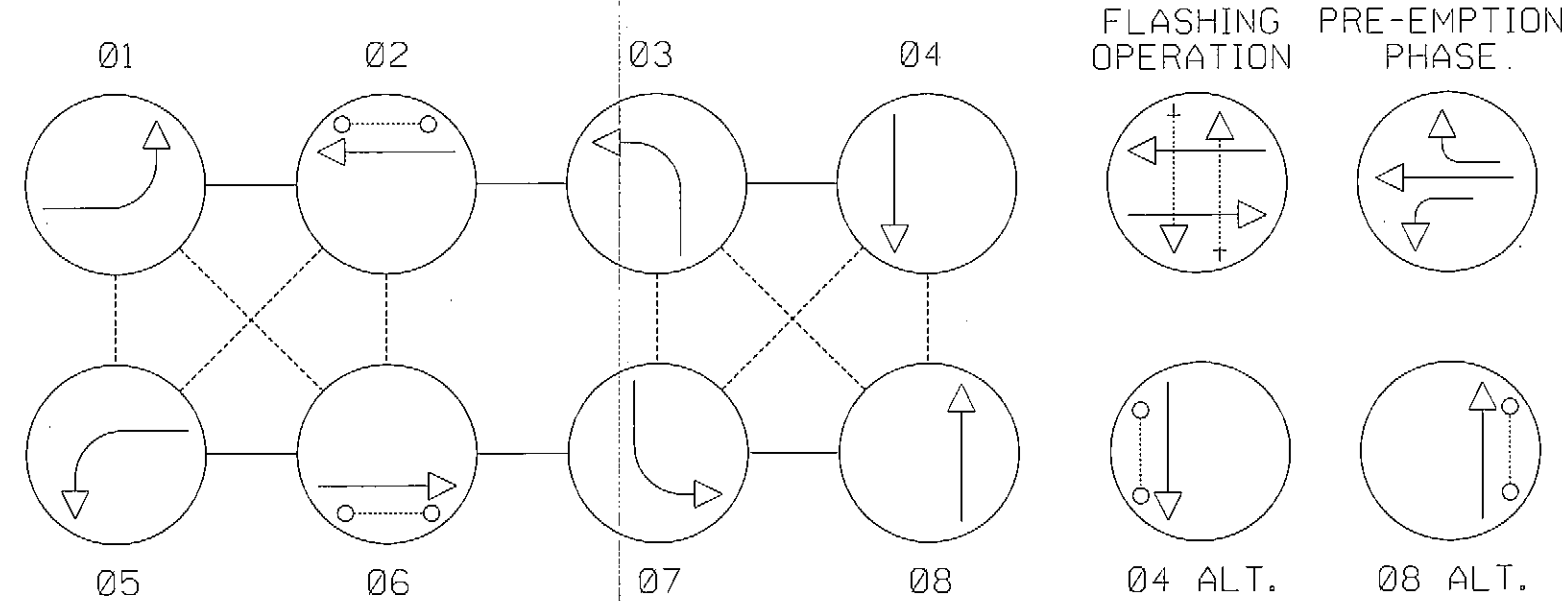


PROPOSED L.E.D. SIGNALS

21, 22, 23, 24, 25, 26, 27, 28



NEMA PHASING



NOTES:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS:

- USE EXISTING STEEL MAST ARM POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS AND EXISTING PEDESTRIAN SIGN AND PUSHBUTTON. ALL OTHER EXISTING EQUIPMENT TO REMAIN.
- USE EXISTING STEEL MAST ARM POLE. REPLACE EXISTING PEDESTRIAN SIGNAL HEADS WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEADS. REMOVE EXISTING PEDESTRIAN SIGN AND PUSHBUTTON. ALL OTHER EXISTING EQUIPMENT TO REMAIN.
- INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL 10' PEDESTAL POLE (CUT TO 5 FT.) WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- USE EXISTING BASE MOUNTED CABINET.
- USE EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- INSTALL 12 INCH HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- INSTALL GROUND MOUNTED SIGN WITH SUPPORT POSTS.
- REMOVE GROUND MOUNTED SIGN.

PROPOSED SIGNS



GENERAL NOTES:

- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- WOOD SUPPORTS INSTALLED IN CONCRETE/BRICKS SHALL BE INSTALLED WITH SLEEVED FOUNDATIONS AS PER STANDARDS MD-812.05-01 AND MD 812.05-02.

TOD No: XX427-13
SHA No: PG756A53/B53
MD 450 @ MD 197

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 AT MD 197
TRAFFIC SIGNAL MODIFICATION
BOWIE, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 10/20/01 CONTRACT NO. PG9005571

DESIGNED BY COUNTY PRINCE GEORGE'S
DRAWN BY MB LOGMILE 16045011.36
CHECKED BY STB
F.A.P. NO. TOD NO.

TS NO. 4396A DRAWING OF SHEET NO. 1 OF 3

APPROVALS	REVISIONS
TEAM LEADER	05/10 TMS NO. 3733 SHA NO. XX4275185 UPGRADE TO APS/CPS WITH NEW HANDICAP RAMP.
ASST. DIR. CHIEF	XM
DIVISION CHIEF	
OFFICE DIRECTOR	

BAI

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PLOTTED: R***** 28, 2010 AT 03:52 *****
FILE: P:\08-002 TDD\Task 31 MD 450 @ MD 197\Drawings\CADD\Working\SSG-P001_MD450@MD197.dgn